



06-15-04

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PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

*(to be used for all correspondence after initial filing)*

		Application Number	10/649,214
		Filing Date	August 26, 2003
		First Named Inventor	Bradley Jacob et al.
		Art Unit	1374
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	5074A-000001/COB

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)   <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Nineteen (19) page Form PTO-1449  23 Foreign Patent Documents 75 Other Documents
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**Remarks**

The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Richard W. Warner	Reg. No. 38,043
Signature			
Date	Jun 14, 2004		

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Richard W. Warner	Express Mail Label No.	EV 533 149 017 US (6/14/2004)
Signature		Date	Jun 14, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

EV 533 149 017 US



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/649,214

Filing Date: August 26, 2003

Applicant: Bradley Jacob et al.

Group Art Unit: 1374

Examiner:

Title: METHOD AND APPARATUS FOR ELECTROMAGNETIC NAVIGATION OF A SURGICAL PROBE NEAR A METAL OBJECT

Attorney Docket: 5074A-000001/COB

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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A.  Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B.  Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C.  Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

D.  This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A.  Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

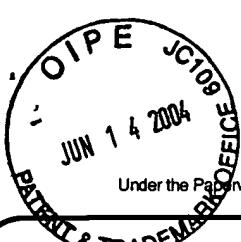
B.  A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1.  See the attached foreign patent office communication from a counterpart foreign application:

2.  English translations are provided:

3.  Other:

Japanese Reference JP 2765738 appears to disclose a catheter that may be positioned relative to a selected site to produce a signal to create a data set.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/21 (02-04) Approved for use through 07/31/2006. OMB 0651-0031

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<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	<b>Nineteen (19) page Form PTO-1449</b>
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	<b>23 Foreign Patent Documents</b>
<input type="checkbox"/> Certified Copy of Priority Document(s)		<b>75 Other Documents</b>
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	<b>Remarks</b>	The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Richard W. Warner	Reg. No. 38,043
Signature			
Date	Jun 14, 2004		

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Typed or printed name	Richard W. Warner	Express Mail Label No.	EV 533 149 017 US (6/14/2004)
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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

German Reference DE 3831278 has U.S. equivalent of U.S. Patent No. 4,923,459.

German Reference DE 4233978 has U.S. equivalent of U.S. Patent No. 5,394,457.

German Reference DE 3042343 appears to disclose a system operable to receive a signal regarding a point in space.

European Reference EP 0 581 704 has a U.S. equivalent of U.S. Patent No. 5,447,154.

France Reference No. 2417970 has a U.S. equivalent of U.S. Patent No. 4,418,422.

German Reference No. DE 10085137 has a U.S. equivalent of U.S. Patent No. 6,499,488.

An English Abstract is provided for Other Documents reference No. 48.

An English Abstract is provided for Other Documents reference No. 53.

An English translation is provided for Other Documents reference No. 62.

C.  The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A.  The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	<u>Filing Date</u>	<u>Art Unit</u>
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V. THIS IDS IS BEING FILED UNDER

A.  37 C.F.R. § 1.97(b): (check only one box)

1.  within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2.  within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3.  before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
4.  before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B.  **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1.  No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
2.  See the certification below. No fee is required.

C.  **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1.  See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A.  each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. §

1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C.  some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VI. PAYMENT OF FEES (check only one box)

A.  A check in the amount of \$180.00 is enclosed for the above identified fee.

B.  Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

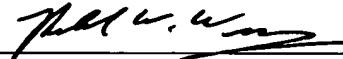
The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: June 14, 2007

By:   
Richard W. Warner  
Reg. No. 38,043

Harness, Dickey & Pierce, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

RWW/MLT/lkj



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Sheet 1 of 19

ATTORNEY DOCKET NO.	SERIAL NO.
5074A-000001/COB	10/649,214
APPLICANT	
Jascob et al.	
FILING DATE	GROUP
August 26, 2003	3737

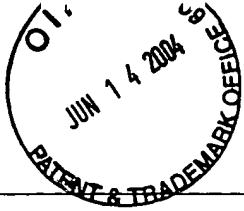
**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		Re. 35,025	8/1995	Anderton		
2.		Re. 35,816	6/1998	Schulz		
3.		1,576,781	03/1926	Phillips		
4.		1,735,726	11/1929	Bornhardt		
5.		2,407,845	09/1946	Nemeyer		
6.		2,650,588	09/1953	Drew		
7.		2,697,433	12/1954	Sehnder		
8.		3,016,899	01/1962	Stenvall		
9.		3,017,887	01/1962	Heyer		
10.		3,061,936	11/1962	Dobbeleer		
11.		3,073,310	01/1963	Mocarski		
12.		3,294,083	12/1966	Alderson		
13.		3,367,326	02/1968	Frazier		
14.		3,439,256	04/15/1969	Kähne et al.		
15.		3,577,160	05/1971	White		
16.		3,702,935	11/1972	Carey et al.		
17.		3,704,707	12/1972	Halloran		
18.		3,941,127	03/1976	Froning		
19.		4,037,592	07/1977	Kronner		
20.		4,052,620	10/1977	Brunnett		
21.		4,117,337	09/26/1978	Staats		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM HDP-1449 (Based on Form PTO-1449)

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Sheet 2 of 19

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		4,202,349	05/1980	Jones		
23.		4,328,813	05/1982	Ray		
24.		4,358,856	11/09/1982	Stivender et al.		
25.		4,368,536	01/1983	Pfeiler		
26.		4,403,321	09/1983	DiMarco		
27.		4,418,422	11/1983	Richter et al.		
28.		4,485,815	12/1984	Amplatz		
29.		4,543,959	10/01/1985	Sepponen		
30.		4,548,208	10/22/1985	Niemi		
31.		4,584,577	04/22/1986	Temple		
32.		4,621,628	11/1986	Bludermann		
33.		4,625,718	12/1986	Olerud et al.		
34.		4,645,343	02/1987	Stockdale et al.		
35.		4,651,732	03/24/1987	Frederick		
36.		4,653,509	03/1987	Oloff et al.		
37.		4,673,352	06/1987	Hansen		
38.		4,706,665	11/17/1987	Gouda		
39.		4,719,419	01/12/1988	Dawley		
40.		4,722,056	01/26/1988	Roberts et al.		
41.		4,722,336	02/1988	Kim et al.		

Examiner:

Date Considered:

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Sheet 3 of 19

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.		4,727,565	02/23/1988	Ericson		
43.		4,737,921	04/12/1988	Goldwasser et al.		
44.		4,750,487	06/1988	Zanetti		
45.		4,771,787	09/20/1988	Wurster et al.		
46.		4,791,934	12/20/1988	Brunnett		
47.		4,793,355	12/1988	Crum et al.		
48.		4,797,907	01/1989	Anderton		
49.		4,803,976	02/1989	Frigg et al.		
50.		4,821,206	04/11/1989	Arora		
51.		4,845,771	07/1989	Wislocki et al.		
52.		4,862,893	09/05/1989	Martinelli		
53.		4,889,526	12/26/1989	Rauscher et al.		
54.		4,923,459	05/1990	Nambu		
55.		4,931,056	06/1990	Ghajar et al.		
56.		4,945,914	08/1990	Allen		
57.		4,951,653	08/1990	Fry et al.		
58.		5,013,317	05/1991	Cole et al.		
59.		5,027,818	07/02/1991	Bova et al.		
60.		5,030,196	07/09/1991	Inoue		
61.		5,030,222	07/1991	Calandruccio et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Sheet 4 of 19			

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
62.		5,031,203	07/1991	Trecha		
63.		5,057,095	10/15/1991	Fabian		
64.		5,079,699	01/07/1992	Tuy et al.		
65.		5,094,241	03/10/1992	Allen		
66.		5,097,839	03/24/1992	Allen		
67.		5,107,839	04/28/1992	Houdek et al.		
68.		5,107,843	04/1992	Aarnio, et al.		
69.		5,107,862	04/28/1992	Fabian et al		
70.		5,109,194	04/28/1992	Cantaloube		
71.		5,119,817	06/09/1992	Allen		
72.		5,142,930	09/01/1992	Allen et al.		
73.		5,160,337	11/1992	Cosman		
74.		5,178,164	01/12/1993	Allen		
75.		5,178,621	01/1993	Cook et al.		
76.		5,186,174	02/1993	Schlondorff et al.		
77.		5,188,126	02/23/1993	Fabian et al		
78.		5,190,059	03/02/1993	Fabian et al		
79.		5,197,965	03/1993	Cherry et al.		
80.		5,211,176	05/1993	Ishiguro et al.		
81.		5,212,720	05/1993	Landi et al.		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Sheet 5 of 19

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82.		5,219,351	06/1993	Teubner et al.		
83.		5,233,990	08/1993	Barnea		
84.		5,237,996	08/24/1993	Waldman et al.		
85.		5,251,127	10/1993	Raab		
86.		5,291,199	03/01/1994	Overman et al		
87.		5,297,549	03/29/1994	Beatty et al.		
88.		5,305,091	04/1994	Gelbart et al.		
89.		5,305,203	04/1994	Raab		
90.		5,320,111	06/1994	Livingston		
91.		5,325,728	07/05/1994	Zimmerman et al.		
92.		5,329,944	07/19/1994	Fabian et al		
93.		5,333,168	07/1994	Fernandes et al.		
94.		5,353,800	10/11/1994	Pohndorf et al		
95.		5,353,807	10/11/1994	DeMarco		
96.		5,377,678	01/03/1995	Dumoulin et al.		
97.		5,385,146	01/31/1995	Goldreyer		
98.		5,385,148	01/31/1995	Lesh et al.		
99.		5,394,457	02/1995	Leibinger et al.		
100.		5,397,329	03/1995	Allen		
101.		5,399,146	03/21/1995	Nowacki et al.		

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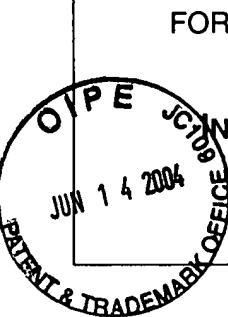


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102.		5,400,384	03/1995	Fernandes et al.		
103.		5,423,334	06/13/1995	Jordan		
104.		5,426,683	06/1995	O'Farrell, Jr., et al.		
105.		5,426,687	06/1995	Goodall et al.		
106.		5,427,097	06/1995	Depp		
107.		5,433,198	07/18/1995	Desai		
108.		5,444,756	08/1995	Pai et al.		
109.		5,446,548	08/1995	Gerig et al.		
110.		5,447,154	09/05/1995	Cinquini et al.		
111.		5,448,610	09/1995	Yamamoto et al.		
112.		5,458,718	10/17/1995	Venkitachalam		
113.		5,464,446	11/1995	Dreessen et al.		
114.		5,478,341	12/1995	Cook et al.		
115.		5,478,343	12/1995	Ritter		
116.		5,483,961	01/16/1996	Kelly et al.		
117.		5,485,849	01/23/1996	Panescu et al.		
118.		5,487,391	01/30/1996	Panescu		
119.		5,487,757	01/30/1996	Truckai et al.		
120.		5,490,196	02/06/1996	Rudich et al.		
121.		5,494,034	02/27/1996	Schlondorff et al.		

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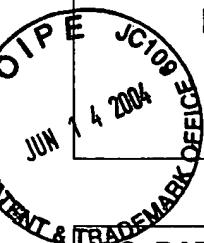
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122.		5,503,416	04/1996	Aoki et al.		
123.		5,515,160	05/07/1996	Schulz et al.		
124.		5,531,227	07/02/1996	Schneider		
125.		5,531,520	07/02/1996	Grimson et al.		
126.		5,546,940	08/20/1996	Panescu et al.		
127.		5,546,949	08/20/1996	Frazin et al.		
128.		5,546,951	08/20/1996	Ben-Haim		
129.		5,551,429	09/1996	Fitzpatrick et al.		
130.		5,573,533	11/12/1996	Strul		
131.		5,575,794	11/1996	Walus et al.		
132.		5,583,909	12/1996	Hanover		
133.		5,595,193	01/1997	Walus et al.		
134.		5,596,228	01/1997	Anderton et al.		
135.		5,617,462	04/1997	Spratt		
136.		5,619,261	04/1997	Anderton		
137.		5,627,873	05/1997	Hanover et al.		
138.		5,628,315	05/13/1997	Vilsmeier et al.		
139.		5,636,644	06/10/1997	Hart et al		
140.		5,638,819	06/17/1997	Manwaring et al.		
141.		5,642,395	06/1997	Anderton et al.		

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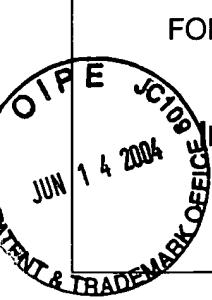


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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
142.		5,643,268	07/01/1997	Vilsmeier et al.		
143.		5,664,001	09/1997	Tachibana et al.		
144.		5,674,296	10/07/1997	Bryan et al.		
145.		5,681,260	10/28/1997	Ueda et al		
146.		5,682,886	11/04/1997	Delp et al.		
147.		5,690,108	11/1997	Chakeres		
148.		5,695,501	12/09/1997	Carol et al.		
149.		5,697,377	12/1997	Wittkampf		
150.		5,702,406	12/30/1997	Vilsmeier et al.		
151.		5,715,822	02/10/1998	Watkins		
152.		5,715,836	02/10/1998	Klegis et al.		
153.		5,718,241	02/17/1998	Ben-Haim et al.		
154.		5,727,552	03/17/1998	Ryan		
155.		5,727,553	03/1998	Saad		
156.		5,735,278	04/07/1998	Hoult et al.		
157.		5,741,214	04/21/1998	Ouchi et al.		
158.		5,742,394	04/1998	Hansen		
159.		5,748,767	05/1998	Raab		
160.		5,749,835	05/12/1998	Glantz		
161.		5,755,725	05/26/1998	Druais		

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162.		5,769,789	06/23/1998	Wang et al.		
163.		5,769,861	06/23/1998	Vilsmeier		
164.		5,772,594	06/1998	Barrick		
165.		5,775,322	07/07/1998	Silverstein et al		
166.		5,782,765	07/21/1998	Jonkman		
167.		5,792,055	08/11/1998	McKinnon		
168.		5,795,294	08/18/1998	Luber et al.		
169.		5,797,849	08/1998	Vesely et al.		
170.		5,799,055	08/1998	Peshkin et al.		
171.		5,799,099	08/1998	Wang et al.		
172.		5,800,535	09/01/1998	Howard, III		
173.		5,802,719	09/1998	O'Farrell, Jr., et al.		
174.		5,807,252	9/15/1998	Hassfeld et al.		
175.		5,810,735	09/22/1998	Halperin et al		
176.		5,823,192	10/1998	Kalend et al.		
177.		5,823,958	10/20/1998	Truppe		
178.		5,828,725	10/27/1998	Levinson		
179.		5,834,759	11/10/1998	Glossop		
180.		5,843,076	12/1/1998	Webster, Jr. et al.		
181.		5,848,967	12/15/1998	Cosman		

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182.		5,865,846	02/02/1999	Bryan et al.		
183.		5,868,675	02/09/1999	Henrion et al.		
184.		5,871,455	09/1999	Ueno		
185.		5,871,487	02/16/1999	Warner et al.		
186.		5,884,410	03/1999	Prinz		
187.		5,891,157	04/06/1999	Day et al.		
188.		5,904,691	05/18/1999	Barnett et al.		
189.		5,907,395	05/1999	Schultz et al.		
190.		5,921,992	07/13/1999	Costales et al.		
191.		5,923,727	07/1999	Navab		
192.		5,928,248	7/27/1999	Acker		
193.		5,938,603	8/17/1999	Ponzi		
194.		5,938,694	08/17/1999	Jaraczewski et al.		
195.		5,947,981	09/1999	Cosman		
196.		5,951,475	09/14/1999	Gueziec et al.		
197.		5,954,796	10/12/1999	Imran		
198.		5,968,047	10/10/1999	Reed		
199.		5,971,997	10/1999	Guthrie et al.		
200.		5,980,535	11/1999	Barnett et al.		
201.		5,983,126	11/09/1999	Wittkampf		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
202.		5,987,960	11/1999	Messner et al.		
203.		5,999,837	12/1999	Messner et al.		
204.		5,999,840	12/1999	Grimson et al.		
205.		6,001,130	12/14/1999	Bryan et al.		
206.		6,006,126	12/1999	Cosman		
207.		6,016,439	01/2000	Acker		
208.		6,050,724	04/2000	Schmitz et al.		
209.		6,063,022	5/16/2000	Ben-Haim		
210.		6,073,043	06/2000	Schneider		
211.		6,118,845	09/12/2000	Simon et al.		
212.		6,131,396	10/17/2000	Duerr et al.		
213.		6,139,183	10/2000	Graumann		
214.		6,149,592	11/2000	Yanof et al.		
215.		6,156,067	12/05/2000	Bryan et al.		
216.		6,167,296	12/2000	Shahidi		
217.		6,175,756	1/16/2001	Ferre et al.		
218.		6,223,067	04/24/2001	Vilsmeier		
219.		6,273,896	08/14/2001	Franck et al.		
220.		6,298,262	10/02/2001	Franck et al.		
221.		6,332,089	12/2001	Acker et al.		

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222.		6,341,231	1/22/2002	Ferre et al.		
223.		6,351,659	02/26/2002	Vilsmeier		
224.		6,381,485	04/30/2002	Hunter et al.		
225.		6,424,856	07/23/2002	Vilsmeier et al.		
226.		6,428,547	08/06/2002	Vilsmeier et al.		
227.		6,434,415	08/13/2002	Foley et al.		
228.		6,445,943	9/3/2002	Ferre et al.		
229.		6,470,207	10/22/2002	Simon et al.		
230.		6,474,341	11/05/2002	Hunter et al.		
231.		6,498,944	12/24/2002	Ben-Haim et al		
232.		6,499,488	12/31/2002	Hunter et al.		
233.		6,527,443	03/04/2003	Vilsmeier et al.		
234.		6,551,325	04/22/2003	Neubauer et al.		
235.		6,584,174	06/24/2003	Schubert et al.		
236.		6,609,022	08/19/2003	Vilsmeier et al.		
237.		6,611,700	08/26/2003	Vilsmeier et al.		
238.		6,640,128	10/28/2003	Vilsmeier et al.		
239.		6,694,162	02/17/2004	Hartlep		
240.		6,701,179	03/02/2004	Martinelli et al.		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.		WO 01/30437 A1	05/03/2001	WIPO		
2.		WO 99/60939	12/1999	WIPO		
3.		WO 98/38908	09/11/1998	PCT		
4.		WO 94/24933	11/10/1994	PCT		
5.		WO 94/23647	10/27/1994	PCT		
6.		WO 96/11624	04/25/1996	PCT		
7.		WO 88/09151	12/01/1988	PCT		Abstract
8.		WO 98/08554	03/1998	WIPO		
9.		WO 89/05123	06/1989	PCT		
10.		WO 91/04711	04/18/1991	PCT		Abstract
11.		WO 91/03982	04/1991	WIPO		
12.		WO 92/03090	03/05/1992	PCT		
13.		EP 0 319 844 A1	01/1988	EPO		
14.		EP 0 581 704 B1	07/27/1993	EPO		U.S. Equiv
15.		EP 0 651 968 A1	08/1990	EPO		
16.		0350996 A1	01/1990	EPO		
17.		964149	03/1975	Canada		
18.		2417970	02/20/1979	France		U.S. Equiv
19.		JP 2765738		Japan		

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
20.		DE 3042343 A1	06/1982	Germany		X
21.		DE 3831278 A1	03/1989	Germany		U.S. Equiv
22.		DE 4233978 C1	04/1994	Germany		U.S. Equiv
23.		DE 10085137		Germany		U.S. Equiv

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Ref. Desig.	Examiner's Initials
1.	"Prestige Cervical Disc System Surgical Technique", 12 pgs.
2.	Adams et al., "Orientation Aid for Head and Neck Surgeons," Innov. Tech. Biol. Med., Vol. 13, No. 4, 1992, pp. 409-424.
3.	Barrick et al., "Prophylactic Intramedullary Fixation of the Tibia for Stress Fracture in a Professional Athlete," Journal of Orthopaedic Trauma, Vol. 6, No. 2, pp. 241-244 (1992).
4.	Barrick et al., "Technical Difficulties with the Brooker-Wills Nail in Acute Fractures of the Femur," Journal of Orthopaedic Trauma, Vol. 6, No. 2, pp. 144-150 (1990).
5.	Barrick, "Distal Locking Screw Insertion Using a Cannulated Drill Bit: Technical Note," Journal of Orthopaedic Trauma, Vol. 7, No. 3, 1993, pp. 248-251.
6.	Batnitzky et al., "Three-Dimensional Computer Reconstructions of Brain Lesions from Surface Contours Provided by Computed Tomography: A Prospectus," Neurosurgery, Vol. 11, No. 1, Part 1, 1982, pp. 73-84.
7.	Bouazza-Marouf et al.; "Robotic-Assisted Internal Fixation of Femoral Fractures", IMECE., pp. 51-58 (1995)
8.	Brack et al., "Accurate X-ray Based Navigation in Computer-Assisted Orthopedic Surgery," CAR '98, pp. 716-722.
9.	Bryan, "Bryan Cervical Disc System Single Level Surgical Technique", Spinal Dynamics, 2002, pp. 1-33.

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Ref. Desig.	Examiner's Initials		
10.		Bucholz et al., "Variables affecting the accuracy of stereotactic localization using computerized tomography," Journal of Neurosurgery, Vol. 79, November 1993, pp. 667-673.	
11.		Chambleboux et al., "Accurate Calibration of Cameras and Range Imaging Sensors: the NPBS Method," IEEE International Conference on Robotics and Automation, Nice, France, May, 1992.	
12.		Chambleboux, "Utilisation de Fonctions Splines pour la Mise au Point D'un Capteur Tridimensionnel sans Contact," Quelques Applications Medicales, July 1991.	
13.		Cinquin et al., "Computer Assisted Medical Interventions," IEEE Engineering in Medicine and Biology, May/June 1995, pp. 254-263.	
14.		Cinquin et al., "Computer Assisted Medical Interventions," International Advanced Robotics Programme, September 1989, pp. 63-65.	
15.		Clarysse et al., "A Computer-Assisted System for 3-D Frameless Localization in Stereotaxic MRI," IEEE Transactions on Medical Imaging, Vol. 10, No. 4, December 1991, pp. 523-529.	
16.		Feldmar et al., "3D-2D Projective Registration of Free-Form Curves and Surfaces," Rapport de recherche (Inria Sophia Antipolis), 1994, pages 1-44.	
17.		Foley et al., "Fundamentals of Interactive Computer Graphics," The Systems Programming Series, Chapter 7, July 1984, pp. 245-266.	
18.		Foley et al., "Image-guided Intraoperative Spinal Localization," Intraoperative Neuroprotection, Chapter 19, 1996, pp. 325-340.	
19.		Foley, "The StealthStation: Three-Dimensional Image-Interactive Guidance for the Spine Surgeon," Spinal Frontiers, April 1996, pp. 7-9	
20.		Gildenberg et al., "Calculation of Stereotactic Coordinates from the Computed Tomographic Scan," Neurosurgery, Vol. 10, No. 5, May 1982, pp. 580-586.	
21.		Gonzalez, "Digital Image Fundamentals," Digital Image Processing, Second Edition, 1987, pp. 52-54.	
22.		Gottesfeld Brown et al., "Registration of Planar Film Radiographs with Computer Tomography," Proceedings of MMBIA, June '96, pp. 42-51.	
23.		Gueziec et al., "Registration of Computed Tomography Data to a Surgical Robot Using Fluoroscopy: A Feasibility Study," Computer Science/Mathematics, Sept. 27, 1996, 6 pages.	

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24.		Hamadeh et al, "Kinematic Study of Lumbar Spine Using Functional Radiographies and 3D/2D Registration," TIMC UMR 5525 - IMAG	
25.		Hamadeh et al., "Automated 3-Dimensional Computed Tomographic and Fluoroscopic Image Registration," Computer Aided Surgery (1998), 3:11-19.	
26.		Hamadeh et al., "Towards Automatic Registration Between CT and X-ray Images: Cooperation Between 3D/2D Registration and 2D Edge Detection," MRCAS '95, pp. 39-46.	
27.		Hatch, "Reference-Display System for the Integration of CT Scanning and the Operating Microscope," Thesis, Thayer School of Engineering, October 1984, pp. 1-189.	
28.		Heilbrun et al., "Preliminary experience with Brown-Roberts-Wells (BRW) computerized tomography stereotaxic guidance system," Journal of Neurosurgery, Vol. 59, August 1983, pp. 217-222.	
29.		Henderson et al., "An Accurate and Ergonomic Method of Registration for Image-guided Neurosurgery," Computerized Medical Imaging and Graphics, Vol. 18, No. 4, July-August 1994, pp. 273-277.	
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